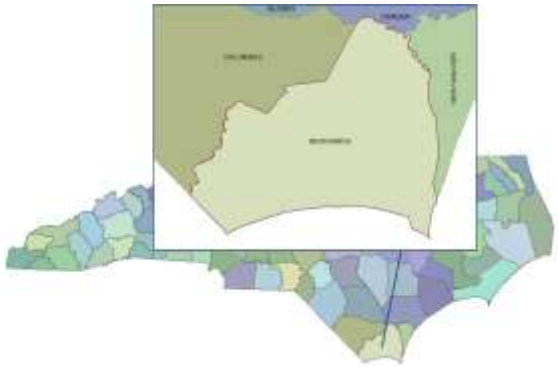

Brunswick County

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
1,2-Dibromomethane	Not Tested	0	0	0	0.05	µg/L	0	Not Tested		
1,2-Dichloropropane	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Arsenic	413	0.5	7	1.8	10	µg/L	0	0.00%		
Barium	192	50	50	50	2,000	µg/L	0	0.00%		
Benzene	Not Tested	0	0	0	5	µg/L	0	Not Tested		
Cadmium	192	0.5	5	0.5	5	µg/L	0	0.00%		
Chromium	192	0.5	50	5.3	100	µg/L	0	0.00%		
cis-1,2-Dichloroethene (c-DCE)	11	0.25	0.25	0.25	70	µg/L	0	0.00%		
Copper	412	25	2,630.00	38.70	1,300*	µg/L	1	0.24%		
Ethylbenzene	Not Tested	0	0	0	700	µg/L	0	Not Tested		
Fluoride	1,333	100	4,180.00	389.90	4,000*	µg/L	1	0.08%		
Iron	402	25	126,400.00	2,054.00	300*	µg/L	275	68.41%		
Isopropyl Ether	Not Tested	0	0	0	No drinking water standard	µg/L				
Lead	414	2.5	104	3.4	15	µg/L	8	1.93%		
Magnesium	412	4,700	5,300.00	4,996.50	No drinking water standard	µg/L				
Manganese	412	15	1,230.00	37.10	50*	µg/L	66	16.02%		

Contaminant	Number of wells tested	Minimum	Maximum	Average	Maximum Contaminant Level (MCL) * Secondary MCL	Units	Number of wells tested above MCL	Percentage of wells tested above MCL	Number of wells below MCL	Percentage of wells tested below MCL
Mercury	189	0.3	0.3	0.3	2	µg/L	0	0.00%		
Methyl tertiary butyl ether (MTBE)	11	0.25	0.25	0.25	20* (recommended taste and odor threshold)	µg/L	0	0.00%		
Nitrate	452	500	7,640.00	596.10	10,000	µg/L	0	0.00%		
Nitrite	454	50	50	50	1,000	µg/L	0	0.00%		
pH	412	3.8	8.7	7.25	6.5-8.5*	standard units	7	1.70%	63	15.29%
Selenium	192	2.5	9	2.5	50	µg/L	0	0.00%		
Silver	198	25	25	25	100*	µg/L	0	0.00%		
Sodium	200	1,000	232,000.00	20,098.00	No drinking water standard	µg/L				
Tetrachloroethylene (PCE)	11	0.25	0.25	0.25	5	µg/L	0	0.00%		
Toluene	Not Tested	0	0	0	1,000	µg/L	0	Not Tested		
trans-1,2-Dichloroethene (t-DCE)	11	0.25	0.25	0.25	100	µg/L	0	0.00%		
Trichloroethylene (TCE)	11	0.25	0.25	0.25	5	µg/L	0	0.00%		
Vinyl chloride	11	0.25	0.25	0.25	2	µg/L	0	0.00%		
Xylenes (Total)	Not Tested	0	0	0	10,000	µg/L	0	Not Tested		
Zinc	401	25	10,000.00	152.20	5,000*	µg/L	3	0.75%		

* **Secondary MCL**: Secondary contaminants may cause cosmetic effects (such as skin or tooth discoloration) or aesthetic effects (such as taste, odor, or color) in drinking water.[8] The **Secondary Maximum Contaminant Level (SMCL)** is a non-enforceable standard for secondary contaminants in drinking water. SMCLs may be based upon a contaminant's likelihood to cause changes to the taste, odor, or color of drinking water, or, may be based on the likelihood of the contaminant to cause technical changes such as damage to water fixtures or an increased availability of other contaminants in drinking water.[8]

Tracking and Analyzing Contaminants (TrAC) in Private Well Water in NC

UNC Superfund Research Program- Research Translation Core

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